



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010656
CERTIFICATION DATE: September 4, 2014
DATE RECERTIFICATION DUE: March 3, 2015

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L	0.150 ± 0.007 g/210 L
0.080 ± 0.004 g/210 L	0.250 ± 0.007 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of $k=3$. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

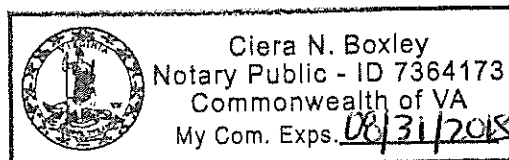
Timmy L. Neece, Jr.
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 8th day of September, 2014 by Timmy L. Neece, Jr.

Ciera N. Boxley
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
9/4/2013 To 9/4/2014

HMS
TLV

Instrument Serial Number: 010656

As of 05-Sep-14

Maintenance Date	Certification Date	Technician Initials	Remarks
04-Sep-14	04-Sep-14	HMS (18910)	REPLACED UPS BACK-UP BATTERY, CERTIFIED, REPLACED DRY GAS STANDARD.
20-Mar-14	20-Mar-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
01-Oct-13	01-Oct-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.

AMC
TLV

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010656** Worksheet Start Date **9/4/2014**

Location **Little Creek Naval Base**

Address **1175 Nider Blvd., Norfolk, VA 23521**

DFS Technician **Heather Stanton** License No. **18910**

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) **765** Reference Barometer (mm HG) **765**

Reference Barometer(RB)Serial # **009113** RB Calibration Due **4/28/2015**

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.300	0.302	0.292	0.311	0.305	
Precision		sample min	sample max	Sample 2	
0.001		0.304	0.305	0.305	
				Sample 3	0.304

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.101	0.097	0.104	0.101	
Precision		sample min	sample max	Sample 2	
0		0.101	0.101	0.101	
				Sample 3	0.101

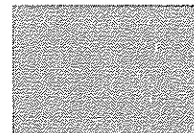
Dry gas standard Lot No. (with tank no.) **AG400202-37**

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:



Notes:

Replaced UPS back-up battery.

Instrument Serial Number

010656

Certification Date

9/4/2014

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.255
0.250	0.252	0.244	0.259	Sample 2	0.254
Precision		sample min	sample max	Sample 3	0.254
0.001		0.254	0.255		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.153
0.150	0.151	0.146	0.155	Sample 2	0.153
Precision		sample min	sample max	Sample 3	0.153
0		0.153	0.153		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.081
0.080	0.081	0.078	0.084	Sample 2	0.081
Precision		sample min	sample max	Sample 3	0.081
0		0.081	0.081		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

Heath w. Stach

Date

9/5/14

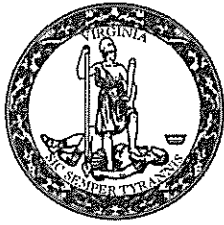
Issuing Analyst

T. J. [Signature]

Date

9/5/14

HMS
Tlw




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/04/2014
TEST EQUIPMENT NUMBER 010656		

RESULTS: TIME SAMPLE TAKEN 12:59 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

Replaced UPS Back-up battery.
HMS
9/4/14

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 05 Sep 2014 at 08:51

AMS
TLW

Test Results

Instrument Serial Number 010656

Test # 000238

Subject Test

Test Location 1 Department of
Test Date 04 Sep 2014

Test Location 2 Forensic Science
Test Time 12:53
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 04 Sep 2014 End Time 13:00

Result Time 12:59

Result Date 04 Sep 2014

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:53

Data Type BLK

Sample Value 0.000

Sample Time 12:54

Data Type CHK

Sample Value 0.103

Sample Time 12:55

Data Type BLK

Sample Value 0.000

Sample Time 12:56

Data Type SUBJ

Sample Value 0.000

Sample Time 12:57

Data Type BLK

Sample Value 0.000

Sample Time 12:58

Data Type SUBJ

Sample Value 0.000

Sample Time 12:59

Data Type BLK

Sample Value 0.000

Sample Time 13:00

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG227501-29

Standard Expiration Date 10/01/2014

Tank Pressure 772

Barometric Pressure 765 mmHg

Blow Sample Number 1 Blow Duration 3.60 sec

Blow Volume 1736 cc

End-of-Blow Time 12:57

Blow Sample Number 2 Blow Duration 3.52 sec

Blow Volume 1692 cc

End-of-Blow Time 12:59

Tamper Evident Stamp 5a2cefc4

Test Status Code 0

Test Status Success

HMS
TLW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010656 Test Number: 239
Test Date: 09/04/2014 Test Time: 13:09 EDT

Technician Initials: HMS

Dry Gas Target: 0.252

Lot Number: 1611425014-03 Exp Date: 07/05/2016

Tank Pressure: 781 psi Barometric Pressure: 765 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:10
BLK	0.000	13:11
CHK	0.255	13:11
BLK	0.000	13:13
CHK	0.254	13:14
BLK	0.000	13:15
CHK	0.254	13:16
BLK	0.000	13:17

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
TLW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010656 Test Number: 240
Test Date: 09/04/2014 Test Time: 13:19 EDT

Technician Initials: HMS

Dry Gas Target: 0.151

Lot Number: 0771315013-01 Exp Date: 05/01/2015

Tank Pressure: 61 psi Barometric Pressure: 765 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:20
BLK	0.000	13:21
CHK	0.153	13:21
BLK	0.000	13:23
CHK	0.153	13:23
BLK	0.000	13:25
CHK	0.153	13:25
BLK	0.000	13:27

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS
Trw

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010656 Test Number: 241
Test Date: 09/04/2014 Test Time: 13:29 EDT

Technician Initials: HMS

Dry Gas Target: 0.081

Lot Number: 3441308012-01 Exp Date: 01/01/2016

Tank Pressure: 909 psi Barometric Pressure: 765 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:29
BLK	0.000	13:30
CHK	0.081	13:31
BLK	0.000	13:32
CHK	0.081	13:33
BLK	0.000	13:34
CHK	0.081	13:35
BLK	0.000	13:36

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

LMS
Thw

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010656 Test Number: 242
Test Date: 09/04/2014 Test Time: 13:37 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 3441302011-02 Exp Date: 01/01/2016

Tank Pressure: 522 psi Barometric Pressure: 765 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:37
BLK	0.000	13:38
CHK	0.019	13:39
BLK	0.000	13:40
CHK	0.019	13:41
BLK	0.000	13:42
CHK	0.019	13:43
BLK	0.000	13:44

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

THS
TLW

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010656 Test Number: 243

Test Date: 09/04/2014 Test Time: 13:47 EDT

Dry Gas Target: 0.302

Lot Number: AG421201-01 Exp Date: 07/31/2016

Tank Pressure: 223 psi Barometric Pressure: 765 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:47
CHK	0.305	13:48
BLK	0.000	13:50
CHK	0.305	13:51
BLK	0.000	13:52
CHK	0.304	13:53

Test Status: *Success*

Calibration CRC: 237DD915

AMS
TH

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010656 Test Number: 244

Test Date: 09/04/2014 Test Time: 13:56 EDT

Dry Gas Target: 0.101

Lot Number: AG400202-37 Exp Date: 01/02/2016

Tank Pressure: 262 psi Barometric Pressure: 765 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:56
CHK	0.101	13:57
BLK	0.000	13:59
CHK	0.101	13:59
BLK	0.000	14:01
CHK	0.101	14:01

Test Status: *Success*

Calibration CRC: 237DD915

AMS
TLW




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/04/2014
TEST EQUIPMENT NUMBER 010656		

RESULTS: TIME SAMPLE TAKEN 14:09 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 04 Sep 2014 at 15:59

AMS
TLN

Test Results

Instrument Serial Number 010656

Test # 000245

Subject Test

Test Location 1 Department of
Test Date 04 Sep 2014

Test Location 2 Forensic Science
Test Time 14:03

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 04 Sep 2014 End Time 14:11

Result Time 14:09

Result Date 04 Sep 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:03

Data Type BLK

Sample Value 0.000

Sample Time 14:04

Data Type CHK

Sample Value 0.101

Sample Time 14:05

Data Type BLK

Sample Value 0.000

Sample Time 14:06

Data Type SUBJ

Sample Value 0.000

Sample Time 14:07

Data Type BLK

Sample Value 0.000

Sample Time 14:08

Data Type SUBJ

Sample Value 0.000

Sample Time 14:09

Data Type BLK

Sample Value 0.000

Sample Time 14:10

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG400202-37

Standard Expiration Date 01/02/2016

Tank Pressure 252

Barometric Pressure 765 mmHg

Blow Sample Number 1 Blow Duration 3.64 sec

Blow Volume 1736 cc End-of-Blow Time 14:07

Blow Sample Number 2 Blow Duration 3.42 sec

Blow Volume 1652 cc End-of-Blow Time 14:09

Tamper Evident Stamp 5784066e

Test Status Code 0

Test Status Success